A/V Four Port VGA Switch with Audio and RS-232

VS410RVGAA

Actual product may vary from photo

CONVERGEAV

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Making hard-to-find easy!

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com 4 Port VGA Switcher with Audio and RS-232 control. Allowing switching between up to four separate VGA and audio signals, for output to a single monitor or projector, making this the perfect solution for situations where VGA and audio input ports are at a premium.

Features

- Remote control provides easy switching between devices

- RS232 interface provides remote/off-site control

- Supports resolutions up to 1920 x 1200 (1080p) and bandwidth of 650 MHz

- Advanced circuitry simplifies switching between PC/HD sources

System requirements:

- Up to four VGA Video signal sources

- A display with a VGA port or Component YPbPr connection.

- Converter required: VGA2TV2WAY VGA2CPNT (Please see Accessories)

Package contents:

This package should contain:

- 1 x 3' DB15 VGA Cable

- 1 x 4x1 VGA Video and Audio Switcher

- 1 x IR Remote Control

- 1 x Power Adapter

Operating Controls and Functions

Front Panel
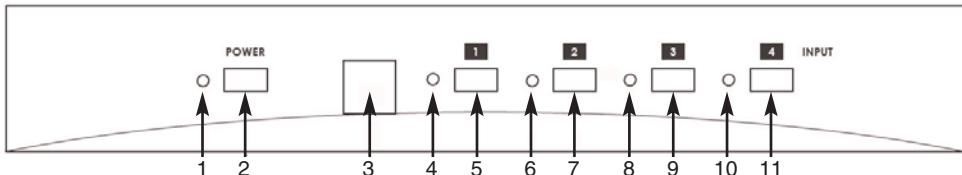
1 Power indicator LED		**7** Input 2 switch button	
2 Power switch (ON/OFF)		**8** Input 3 indicator LED	
3 Infrared remote control sensor		**9** Input 3 switch button	
4 Input 1 indicator LED		**10** Input 4 indicator	
5 Input 1 switch button		**11** Input 4 switch button	
6 Input 2 indicator LED			

Rear Panel
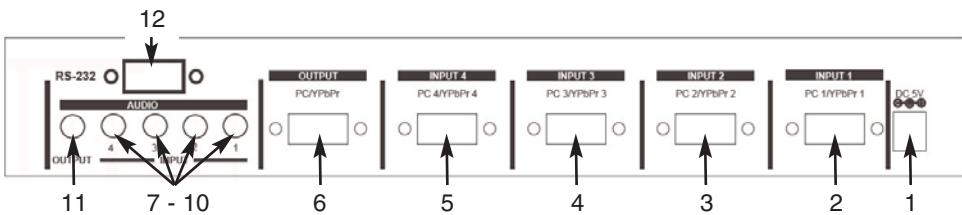
1 DC 5V input, (5W center +)		**7** Audio input 1	
2 PC 1/YPbPr 1 Input		**8** Audio input 2	
3 PC 1/YPbPr 2 Input		**9** Audio input 3	
4 PC 1/YPbPr 3 Input		**10** Audio input 4	
5 PC 1/YPbPr 4 Input		**11** Audio output connector	
6 PC/YPbPr Output		**12** RS-232 interface	

Remote Control

POWER

Input
Selection
Buttons

Remove plastic
tab prior to use
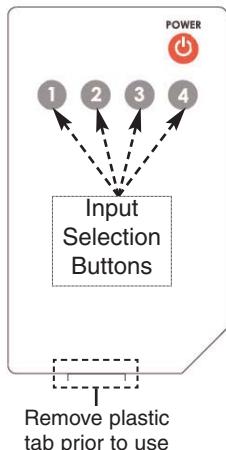
Installation and Connection

4 x PC input, 1x PC output

PC Input 4   PC Input 3   PC Input 2   PC Input 1

Power
Adapter

PC Display
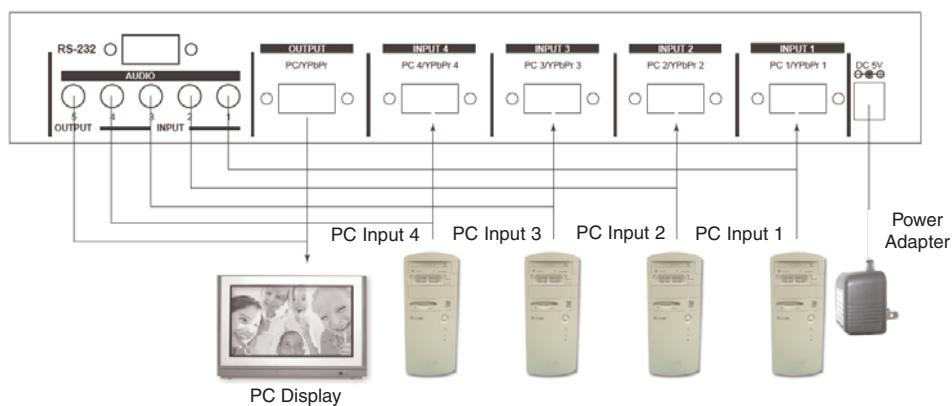
Cont'd on next page

4 x HD input, 1x HD Output

Power Adapter

Input #4

Input #2

Display
(YPbPr Input)

Input #3

Input #1
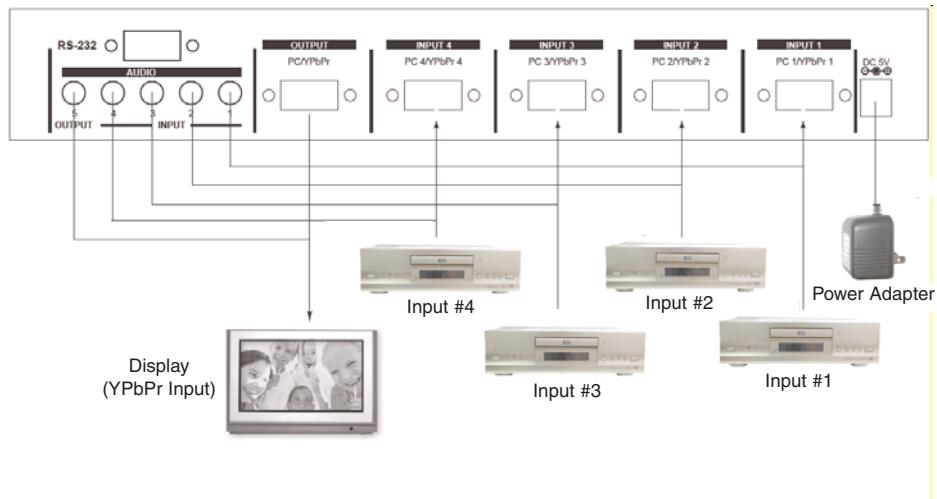
Serial Remote Control
(connection between VS410RVGAA and remote controller with RS-232 modem cable)

RS-232 Transmission Format:
Baud Rate : 9600 bps
Data Bit : 8 Bits
Parity: None
Stop Bit: 1 bit

VS410RVGAA			Remote Control Device	
PIN	Definition		PIN	Definition
1	NC		1	NC
2	TxD		2	RxD
3	RxD	→	3	TxD
4	NC		4	NC
5	GND	←	5	GND
6	NC		6	NC
7	NC		7	NC
8	NC		8	NC
9	NC		9	NC

Commands:

Command Code	Result
"I" + "1"	PORT 1 ON
"I" + "2"	PORT 1 ON
"I" + "3"	PORT 1 ON
"I" + "4"	PORT 1 ON
"P" + "1"	POWER ON
"P" + "0"	POWER OFF

Specifications

Input	PC/YPbPr:4	RGB: 0.7Vp-p or 1 Vp-p with sync75 ohm /HD(TTL): 5Vp-p 10 K ohm
	Analog Audio: 4 (L/R)	2Vrms max 47 k ohm
Output	PC/YPbPr:1	RGB: 0.7Vp-p or 1 Vp-p with sync 75 ohm /HD(TTL): 5Vp-p 10k ohm
	Analog Audio: 1 (L/R)	2 Vrms max 47 k ohm
PC / YPbPr Bandwidth	650 MHz (-3db)	
Differential gain	0.05%	
Differential phase	0.05 degree	
Power consumption	5 Watts (max.)	
Power	5V 1A AC adapter	
Dimensions	292(W)x 73(D) x 44(H)mm	

Accessories

VGA2TV2WAY
2-Way VGA to HDTV/HDTV to VGA Scaler/Converter

VGA2CPNT
VGA to Component (YPbPr) Video Converter

Technical Support

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